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# SYSTEMATIC FERN-LIST:

A CLASSIFIED LIST OF THE KNOWN

## FERNS OF THE UNITED STATES OF AMERICA,

WITH THE GEOGRAPHICAL RANGE  
OF THE SPECIES,

BY

DANIEL C. EATON.

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## N O T E.

This Fern-list is intended to serve as a check-list, and at the same time to show the classification of the genera and the geographical distribution of the species.

Only such varieties are mentioned as are well-marked, or have at times been considered distinct species.

Since Mr. Brandegee has discovered *Cystopteris montana* in Colorado, there remain no ferns known as inhabiting British America, which are not also found in the United States.

Copies of this list may be obtained of the author at the price of ten cents for single copies, or one dollar for fifteen copies, or will be sent in exchange for good specimens of rare or interesting ferns.

NEW HAVEN, CONN., September 7, 1880.

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## ORDER FILICES.

### SUBORDER POLYPODIACEÆ.

#### TRIBE ACROSTICHEÆ.

✓ 1. **Acrostichum aureum**, L.  
Florida, near the coast: Tropical sea-coast generally.

#### TRIBE POLYPODIEÆ.

✓ 2. **Polypodium Plumula**, H. B. K.  
Florida: Tropical America.

✓ 3. **Polypodium pectinatum**, L.  
Florida: Mexico to Brazil.

✓ 4. **Polypodium vulgare**, L.  
Alaska to North Carolina: North temperate zone.

✓ 5. **Polypodium falcatum**, KELLOGG.  
Oregon and California.

✓ 6. **Polypodium Californicum**, KAULF.  
California.

✓ 7. **Polypodium Scouleri**, HOOK. & GREV.  
British Columbia to California.

✓ 8. **Polypodium incanum**, SWARTZ.  
Indiana and Virginia to Florida and Texas: Tropical America  
and South Africa.

✓ 9. **Polypodium aureum**, L.  
Florida: Tropical America.

✓ 10. **Polypodium Phyllitidis**, L.  
Florida: Tropical America.

#### TRIBE GRAMMITIDEÆ.

✓ 11. **Gymnogramme triangularis**, KAULF.  
British Columbia to California.

✓ 12. **Gymnogramme hispida**, Mett.  
Western Texas to Arizona: Mexico.

✓ 13. **Notholæna sinuata**, KAULF.  
Texas to Arizona: Mexico to Peru.

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✓ 14. **Notholæna ferruginea**, HOOK.  
Texas to Arizona: Mexico and Jamaica to Peru.

✓ 15. **Notholæna Parryi**, EATON.  
California, Arizona and Utah.

✓ 16. **Notholæna Newberryi**, EATON.  
Southern California.

✓ 17. **Notholæna Grayi**, DAVENPORT.  
Arizona: Sonora.

✓ 18. **Notholæna Lemmoni**, EATON.  
Arizona.

✓ 19. **Notholæna candida**, HOOKER.  
Texas to Southern California: Mexico to Peru.

✓ 20. **Notholæna Hookeri**, EATON.  
Texas to Arizona: Mexico.

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✓ 21. **Notholæna nivea**, DESV.  
Arizona: Mexico to Peru.

✓ 22. **Notholæna Fendleri**, KUNZE.  
Colorado to Arizona.

✓ 23. **Notholæna dealbata**, KUNZE.  
Missouri to Arizona.

✓ 24. **Notholæna tenera**, GILLIES.  
Southern Utah: Western South America.

*Peru*

#### TRIBE VITTARIEÆ.

✓ 25. **Vittaria lineata**, SWARTZ.  
Florida: Tropical America and perhaps Africa, India, etc.

#### TRIBE PTERIDEÆ.

✓ 26. **Cheilanthes Californica**, METT.  
California.

✓ 27. **Cheilanthes Wrightii**, HOOKER.  
Texas to Arizona.

✓ 28. **Cheilanthes viscosa**, DAVENPORT.  
California.

✓ 29. **Cheilanthes Alabamensis**, KUNZE.  
Virginia to Texas.

✓ 30. **Cheilanthes micropylia**, SWARTZ.  
Florida and New Mexico: Mexico and Cuba to Peru.

✓ 31. **Cheilanthes vestita**, SWARTZ.  
New York to Georgia and Kansas.

✓ 32. *Cheilanthes Cooperæ*, EATON.  
California.

✓ 33. *Cheilanthes leucopoda*, LINK.  
Texas: Mexico.

✓ 34. *Cheilanthes gracillima*, EATON.  
Oregon and California.

✓ 35. *Cheilanthes lanuginosa*, NUTT.  
Rocky Mountains of British America to Illinois and Arizona.

✓ 36. *Cheilanthes tomentosa*, LINK.  
Virginia to Missouri and Texas: Mexico.

✓ 37. *Cheilanthes Eatoni*, BAKER.  
Colorado to Arizona: Mexico.

✓ 38. *Cheilanthes Lindheimeri*, HOOKER.  
Texas to Arizona: Mexico.

✓ 39. *Cheilanthes Fendleri*, HOOKER.  
Colorado to Arizona: Mexico.

✓ 40. *Cheilanthes myriophylla*, DESV.  
Texas to California: Mexico to Peru.

✓ 41. *Cheilanthes Clevelandii*, EATON.  
Southern California.

✓ 42. *Cheilanthes argentea*, HOOKER.  
Alaska: Japan to India.

✓ 43. *Pellæa Breweri*, EATON.  
Colorado to California.

✓ 44. *Pellæa gracilis*, HOOKER.  
Labrador to Colorado.

✓ 45. *Pellæa atropurpurea*, FÉE.  
Canada to Arizona: Mexico to South America.

✓ 46. *Pellæa aspera*, BAKER.  
Texas and New Mexico.

✓ 47. *Pellæa andromedæfolia*, FÉE.  
California: Chili and South Africa.

✓ 48. *Pellæa pulchella*, FÉE.  
Texas and New Mexico: Mexico to Peru.

✓ 49. *Pellæa ternifolia*, LINK.  
Western Texas: Mexico to Peru: Hawaiian Islands.

✓ 50. *Pellæa Wrightiana*, HOOK.  
Colorado to Arizona and California: Bolivia.

✓ 51. *Pellæa brachyptera*, BAKER.  
California.

✓ 52. **Pellæa Ornithopus**, HOOKER.  
California.

✓ 53. **Pellæa densa**, HOOKER.  
Oregon and California.

✓ 54. **Pellæa Bridgesii**, HOOKER.  
California.

✓ 55. **Pellæa flexuosa**, LINK.  
Texas to Arizona: Mexico to Peru.

✓ 56. **Cryptogramme acrostichoides**, R. BROWN.  
Arctic America to California and Colorado.

✓ 57. **Pteris longifolia**, L.  
Florida: Tropical and sub-tropical zones.

✓ 58. **Pteris Cretica**, L.  
Florida: Mexico, etc.: Italy to India and Japan, etc.

✓ 59. **Pteris serrulata**, L. fil.  
South Carolina and Alabama: China, Japan and South Africa.

✓ 60. **Pteris aquilina**, L.  
Universally distributed.

✓ Var. 1, **lanuginosa**, BONGARD.  
Pacific States, etc.

✓ Var. 2, **caudata**, HOOKER.  
Gulf States and northward, perhaps to New Jersey.

✓ 61. **Adiantum Capillus-Veneris**, L.  
Virginia and Florida to California: all continents.

✓ 62. **Adiantum emarginatum**, HOOKER.  
California.

✓ 63. **Adiantum tricholepis**, FRÉE.  
Western Texas and perhaps California: Mexico to Yucatan.

✓ 64. **Adiantum tenerum**, SWARTZ.  
Florida: Mexico, West Indies and South America.

✓ 65. **Adiantum pedatum**, L.  
New Brunswick to California and Alaska: India to Kamtschatka.

#### TRIBE BLECHNEÆ.

✓ 66. **Lomaria Spicant**, DESV.  
Sitka to California: Europe and Asia.

✓ 67. **Blechnum serrulatum**, RICHARD.  
Florida: West Indies to Brazil: Malacca and Australia.

✓ 68. **Woodwardia angustifolia**, SMITH.  
Massachusetts to Florida and Louisiana.

✓ 69. **Woodwardia Virginica**, SMITH.  
Canada to Florida and Louisiana: Bermuda.

✓ 70. **Woodwardia radicans**, SMITH.  
California: Mexico and Guatemala: Madeira to India, etc.

### TRIBE ASPLENIEÆ.

✓ 71. **Asplenium serratum**, L.  
Florida: Tropical America.

✓ 72. **Asplenium pinnatifidum**, NUTT.  
Pennsylvania to Alabama and Missouri.

✓ 73. **Asplenium ebenoides**, R. R. SCOTT.  
Connecticut to Alabama.

✓ 74. **Asplenium viride**, HUDSON.  
New Brunswick and Northern New England to the Rocky Mountains: Europe and Asia.

✓ 75. **Asplenium dentatum**, L.  
South Carolina to Florida: Tropical America.

✓ 76. **Asplenium firmum**, KUNZE.  
Florida: Mexico and Cuba to Peru.

✓ 77. **Asplenium Trichomanes**, L.  
Canada to California: almost universal.

✓ 78. **Asplenium parvulum**, MART. & GAL.  
Virginia to New Mexico: Mexico and South America.

✓ 79. **Asplenium ebeneum**, AITON.  
Canada to Florida and Indian Territory: South Africa.

✓ 80. **Asplenium angustifolium**, MICHX.  
Canada and Wisconsin to Tennessee.

✓ 81. **Asplenium septentrionale**, HOFFMANN.  
Colorado and New Mexico: Europe and Asia.

✓ 82. **Asplenium Ruta-muraria**, L.  
Vermont to Tennessee: Europe and Asia.

✓ 83. **Asplenium montanum**, WILLD.  
New York to Alabama.

✓ 84. **Asplenium Bradleyi**, EATON.  
New York, Kentucky and Tennessee to Arkansas.

✓ 85. **Asplenium thelypteroides**, MICHX.  
New Brunswick and Wisconsin to Alabama.

✓ 86. **Asplenium myriophyllum**, PRESL.  
Florida: Tropical America.

87. *Asplenium cicutarium*, SWARTZ.  
Florida: Tropical America and Africa.

88. *Asplenium Filix-fœmina*, BERNH.  
Common almost everywhere: North-temperate zone.

89. *Scolopendrium vulgare*, SMITH.  
Canada, New York and Tennessee: Mexico: Azores to Japan.

90. *Camptosorus rhizophyllus*, LINK.  
Canada to Alabama and Kansas.

### TRIBE ASPIDIEÆ.

91. *Phegopteris polypodioides*, FÉE.  
Greenland and Alaska to the Middle States: Europe and Asia.

92. *Phegopteris hexagonoptera*, FÉE.  
Canada to Florida and Louisiana.

93. *Phegopteris Dryopteris*, FÉE.  
New England to Oregon and Arctic America: Europe and Asia.

94. *Phegopteris calcarea*, FÉE.  
Minnesota: Europe and Asia.

95. *Phegopteris alpestris*, METT.  
British Columbia to California: Europe to the Caucasus.

96. *Aspidium Noveboracense*, SWARTZ.  
New Brunswick to Alabama and Arkansas.

97. *Aspidium Thelypteris*, SWARTZ.  
Lake Winnipeg to Louisiana and Florida: Europe, Asia, Africa and New Zealand.

98. *Aspidium Nevadense*, EATON.  
California.

99. *Aspidium Oreopteris*, SWARTZ.  
Unalaska: Western Europe to Asia Minor.

100. *Aspidium conterminum*, WILLD.  
Florida: Tropical America.

101. *Aspidium patens*, SWARTZ.  
Florida to California: Tropical America, South Africa and Polynesia.

102. *Aspidium cristatum*, SWARTZ.  
Newfoundland to Arkansas: Western Europe to the Caucasus.

Var. *Clintonianum*, EATON.  
Canada and the Northern States.

103. *Aspidium Floridanum*, EATON.  
Florida.

104. **Aspidium Goldianum**, HOOKER.  
Canada to Kentucky.

105. **Aspidium Filix-mas**, SWARTZ.  
Canada to Dakota, Colorado: widely distributed.

106. **Aspidium rigidum**, SWARTZ.  
Oregon and California: Europe.

107. **Aspidium marginale**, SWARTZ.  
New Brunswick to the Rocky Mountains, and southward to Alabama.

108. **Aspidium spinulosum**, SWARTZ.  
Newfoundland to Alaska and Oregon, and southward to Alabama: Europe and Asia.

Var. 1, **vulgare**, EATON. (The typical form.)  
British America and the Northern States.

Var. 2, **intermedium**, EATON.  
Canada to Tennessee.

Var. 3, **dilatatum**, HOOKER.  
Newfoundland to Alaska, southward to the mountains of the Northern States, and perhaps along the Alleghanies.

109. **Aspidium Boottii**, TUCKERM.  
New England to Delaware: Europe.

110. **Aspidium fragrans**, SWARTZ.  
Arctic America to Wisconsin, New York and New England: Asia.

111. **Aspidium unitum**, var. **glabrum**, METT.  
Florida: Tropical regions of both hemispheres.

112. **Aspidium Lonchitis**, SWARTZ.  
Arctic America to Canada, Michigan and Utah: Europe and Asia.

113. **Aspidium acrostichoides**, SWARTZ.  
New Brunswick to Wisconsin, Alabama and Arkansas.

114. **Aspidium munitum**, KAULF.  
British Columbia to California.

115. **Aspidium mohrioides**, BORY.  
California: Chile, Patagonia, Falkland Islands, etc.

116. **Aspidium aculeatum**, SWARTZ.  
New Brunswick to Pennsylvania, Michigan and California: throughout the world.

Var. 1, **Californicum**, EATON.  
California.

Var. 2, *lobatum*, KUNZE.

California.

Var. 3, *angulare*, BRAUN.

California.

Var. 4, *Braunii*, DÆLL.

New Brunswick and New England to Sitka.

Var. 5, *scopulinum*, EATON.

Idaho and California.

✓ 117. *Aspidium juglandifolium*, KUNZE.

Texas: Tropical America.

✓ 118. *Nephrolepis exaltata*, SCHOTT.

Florida: tropical regions generally.

✓ 119. *Cystopteris fragilis*, BERNH.

All North America: generally distributed.

✓ 120. *Cystopteris bulbifera*, BERNH.

Canada to Tennessee and Arkansas.

✓ 121. *Cystopteris montana*, BERNH.

Labrador to British Rocky Mountains and Colorado: Europe.

✓ 122. *Onoclea sensibilis*, L.

New Brunswick to Dakota, Louisiana and Florida: N. E. Asia.

✓ 123. *Onoclea Struthiopteris*, HOFFM.

New Brunswick to the Saskatchewan, and southward to the Middle States: Central Europe to Mantchooria.

## TRIBE WOODSIEÆ.

✓ 124. *Woodsia glabella*, R. BROWN.

Arctic America to Northern New England and New York: Northern Europe and Asia.

✓ 125. *Woodsia hyperborea*, R. BROWN.

British America and Northern New England and New York: Northern Europe and Asia.

✓ 126. *Woodsia Ilvensis*, R. BROWN.

British America to the Middle States: Northern Europe and Asia.

✓ 127. *Woodsia obtusa*, TORREY.

New England to Georgia and Indian Territory, also British Columbia.

✓ 128. *Woodsia scopulina*, EATON.

Minnesota and Colorado to Oregon and California.

✓ 129. *Woodsia Oregana*, EATON.

British Columbia to Lake Superior, Colorado and Arizona.

## TRIBE DICKSONIEÆ.

130. *Dicksonia pilosiuscula*, WILLD.  
New Brunswick to Alabama, and westward at least to Indiana.

## SUBORDER CERATOPTERIDEÆ.

131. *Ceratopteris thalictroides*, BRONGN.  
Florida: tropical regions generally.

## SUBORDER HYMENOPHYLLACEÆ.

132. *Trichomanes Petersii*, GRAY.  
Alabama.

133. *Trichomanes radicans*, SWARTZ.  
Kentucky to Alabama: Tropical America, Western Europe,  
Southern Asia, Polynesia, etc.

## SUBORDER SCHIZÆACEÆ.

134. *Lygodium palmatum*, SWARTZ.  
Massachusetts to Tennessee and Florida.

135. *Schizæa pusilla*, PURSH.  
New Jersey, Nova Scotia and Newfoundland.

136. *Aneimia Mexicana*, KLOTZSCH.  
Western Texas: Mexico.

137. *Aneimia adiantifolia*, SWARTZ.  
Florida: Tropical America.

## SUBORDER OSMUNDACEÆ.

138. *Osmunda regalis*, L.  
Newfoundland to Louisiana: South America, Europe, Asia  
and Africa.

139. *Osmunda Claytoniana*, L.  
Lake Winnipeg to Newfoundland and North Carolina: Hima-  
layan India.

140. *Osmunda cinnamomea*, L.  
Newfoundland to Wisconsin, Louisiana and Florida: Tropical  
America and Eastern Asia.

## ORDER OPHIOGLOSSACEÆ.

141. **Botrychium Lunaria**, L.  
From Colorado to New England and northward: Europe, Asia, Australia, etc.

142. **Botrychium boreale**, MILDE.  
Unalaska: Northern Europe and Asia.

143. **Botrychium matricariæfolium**, A. BRAUN.  
New England to Lake Superior and Unalaska: Europe.

144. **Botrychium lanceolatum**, ANGSTR.  
New Brunswick to Colorado and Unalaska: Northern Europe and Asia.

145. **Botrychium simplex**, HITCHCOCK.  
New Brunswick to California: Northern Europe.

146. **Botrychium ternatum**, SWARTZ.  
All North America: generally distributed.

Var. 1, **lunarioides**, MILDE.  
South Carolina to Alabama.

Var. 2, **rutæfolium**, EATON.  
Newfoundland and the Northern States.

Var. 3, **australe**, EATON.  
California to New York and New England.

Var. 4, **obliquum**, MILDE.  
Canada to the Gulf of Mexico.

Var. 5, **dissectum**, MILDE.  
British Columbia and the Atlantic region.

147. **Botrychium Virginianum**, SWARTZ.  
New Brunswick to Washington Territory and Oregon, southward to Florida and Texas: Tropical America, Northern Europe and Asia.

148. **Ophioglossum vulgatum**, L.  
Canada to Arizona and Unalaska: generally distributed.

149. **Ophioglossum crotalophoroides**, WALTER.  
Florida and South Carolina to Louisiana: South America.

150. **Ophioglossum nudicaule**, L. fil.  
South Carolina to Florida and Alabama: South America, Africa, India, etc.

151. **Ophioglossum palmatum**, PLUMIER.  
Florida: Tropical America and the Mauritius.

**Notholæna Aschenhorniana** is said by Fournier to have been found in Texas, but I have seen no specimens.

**Pteris tremula**, a New Zealand fern, was once found in California, escaped from cultivation, and similarly **Adiantum cuneatum** has occurred in Rhode Island.